



**DIVISION OF MINES
BOARD OF COAL MINING EXAMINERS
CERTIFICATION REQUIREMENTS**

***UNDERGROUND ELECTRICAL REPAIRMAN –
West Virginia Reciprocal Agreement***

Article 3 of the Coal Mine Safety Laws of Virginia establishes requirements for certification of coal mine workers. The certification requirements are included in §45.1-161.24 through §45.1-161.41 in which the Board of Coal Mining Examiners is established for the purpose of administering the certification program. The Board has promulgated certification regulations 4 VAC 25-20, which set the minimum standards and procedures required for Virginia coal miner examinations and certifications.

CERTIFICATION CLASSIFICATION: **Underground Electrical Repairman-WV Reciprocity – Renewal must be in accordance with MSHA's electrical annual retraining requirement.*

This certification authorizes the holder to:

- Perform electrical work and inspections at all surface areas of underground mines and underground coal mines
- Make examinations on electrical equipment
- Conduct and record results of electrical examinations

APPLICATION/EXPERIENCE REQUIREMENTS:

- Application (BCME-1) and \$10.00 fee
- One year of electrical experience (Form DM-BCME-2) in underground coal mining under the direction of a certified underground electrical repairman or appropriately related work experience approved by the Chief of the Division of Mines
- Six months credit will be granted for electrical educational training from a college, technical school, or vocational school
- Hold a General Miner Certification, if required by law. Miners who have Virginia coal mining experience prior to January 1, 1996, and wish to obtain general miner certification must meet BCME requirement 4 VAC 25-20-255 B.1.2.3. or attend required general miner training.
- Current first aid training (MSHA first aid 5000-23 acceptable)
- Copy of current West Virginia electrical certification card and current electrical retraining
- Reciprocity can only be used one time to achieve certification

EXAMINATION REQUIREMENTS: A score of 80% on each element of the examination.

ELEMENTS OF EXAM

- Records – Practical Stations (7)
 1. Control Circuit Troubleshooting - Electrical Schematic Reading (ER)
 2. Electrical Examinations - Record Keeping Underground (RU)
 3. Electrical Examinations – Record Keeping Surface (RS)
 4. Cable Troubleshooting (CT)
 5. Circuit Breaker Troubleshooting (CB)
 6. Permissibility (PD)
 7. High Voltage Power Move (VP)

- continued on back -

RECOMMENDED REFERENCE/STUDY MATERIALS:

- Electrical Study Guide

The above mentioned study materials are available at the Department of Mines, Minerals and Energy's Big Stone Gap Office, Customer Assistance Center (276) 523-8233 and Keen Mountain Field Office (276) 498-4533.

***8 hours Electrical Repairman continuing education will update this certification.**

Revised 02/15/06